

FIG. 1 Prior Art

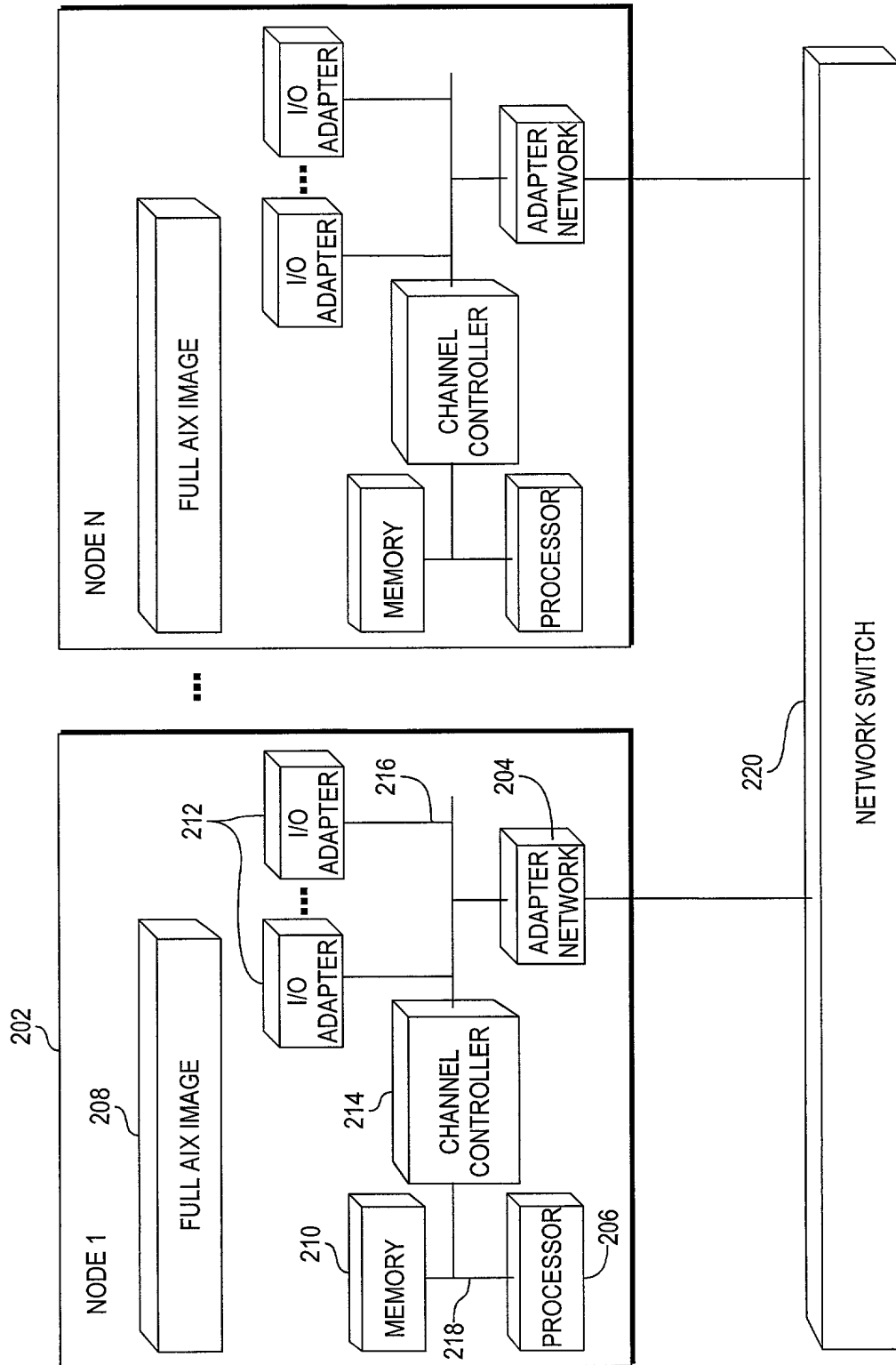


FIG. 2

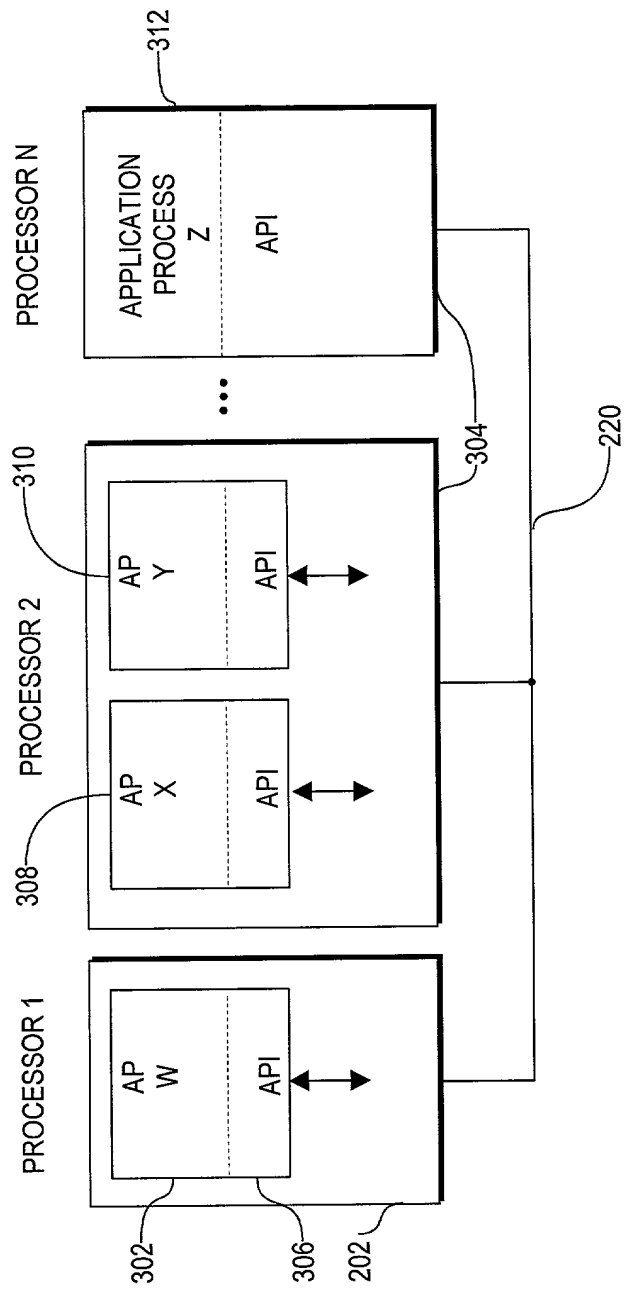


FIG. 3

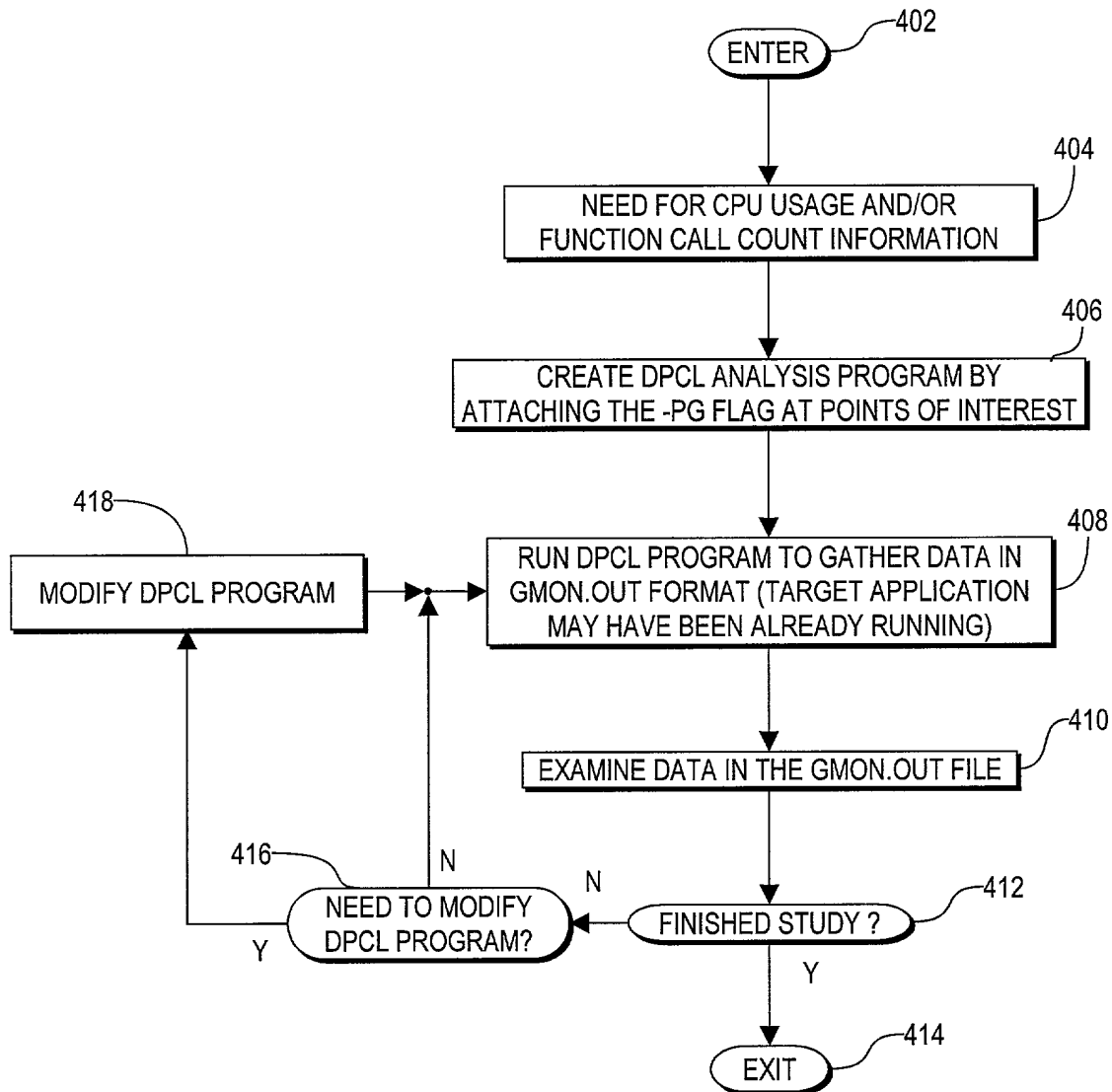


FIG. 4A

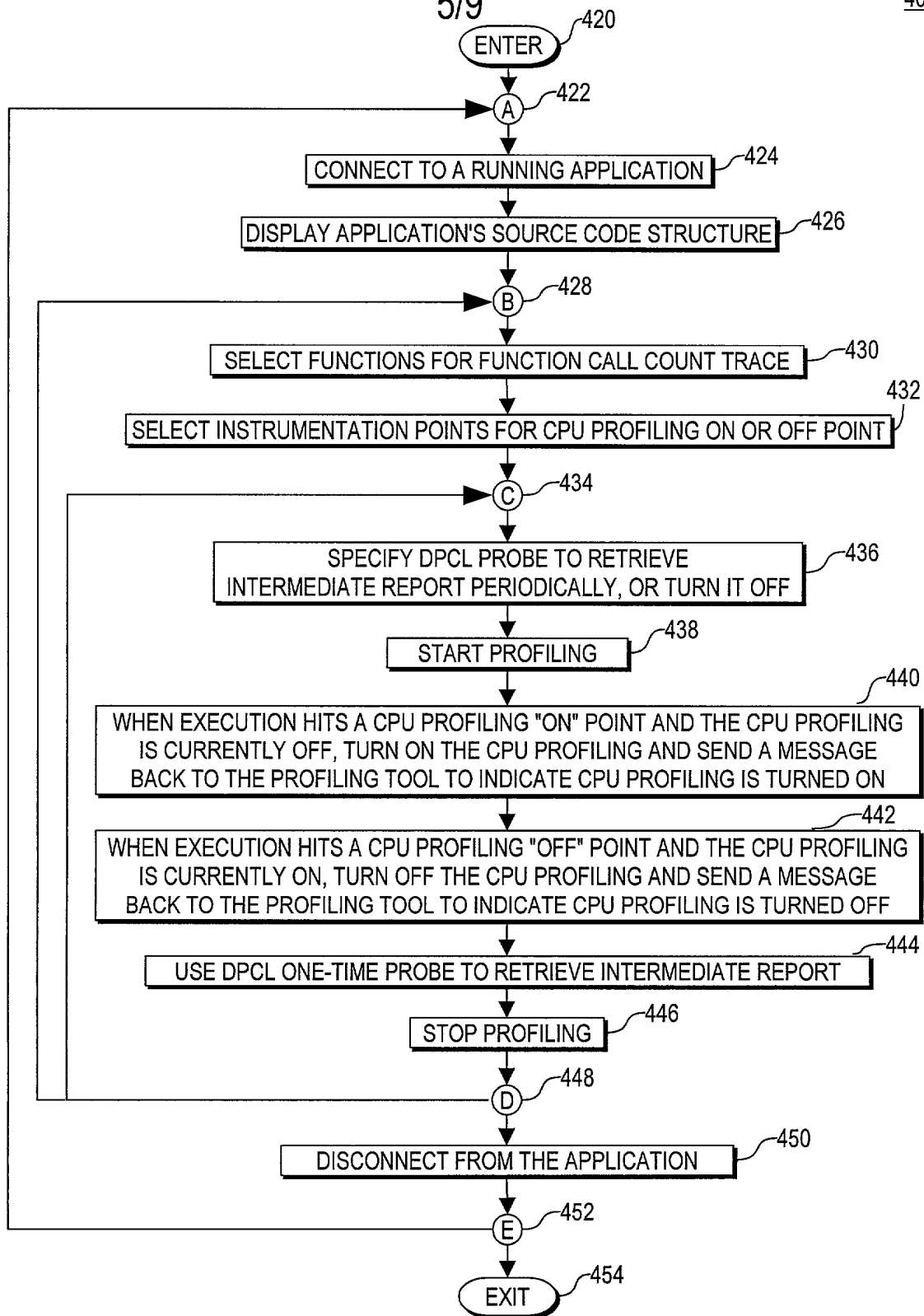


FIG. 4B

TABLE 1 - SUMMARY

504		506		508		510		512		514	
Name	%Time	Seconds	Cumsecs	#Calls	msec/call	502					
.main	32.6	17.63	17.63	1	17630.	518					
__mcount	28.2	15.25	32.88			520					
.mod8	16.3	8.82	41.70	8990000	0.0010						
.mod9	9.9	5.38	47.08	6160000	0.0009						
.cos	2.9	1.57	48.65	1920000	0.0008						
.exp	2.4	1.32	49.97	930000	0.0014						
.log	2.4	1.31	51.28	930000	0.0014						
.mod3	1.9	1.01	52.29	140000	0.0072						
.sin	1.2	0.63	52.92	640000	0.0010	516					
.sqrt	1.1	0.59	53.51								
.atan	1.1	0.57	54.08	640000	0.0009						
.pout	0.0	0.00	54.08	10	0.0						
.exit	0.0	0.00	54.08	1	0.						
.free	0.0	0.00	54.08	2	0.						
.free_y	0.0	0.00	54.08	2	0.						

FIG. 5

FIG. 6

granularity: each sample hit covers 4 bytes Time: 62.85 seconds									
index	%time	self	descendents	called/total		name	parents	index	children
				called	total				
[1]	19.44	64.6	21.18	1/1		__start [2]			
	19.44		21.18	1		.main [1]			
	8.89		0.00	8990000/8990000		.mod8 [4]			
	5.64		0.00	6160000/6160000		.mod9 [5]			
	1.58		0.00	930000/930000		.exp [6]			
	1.53		0.00	1920000/1920000		.cos [7]			
	1.37		0.00	930000/930000		.log [8]			
	1.02		0.00	140000/140000		.mod3 [10]			
	0.63		0.00	640000/640000		.atan [12]			
	0.52		0.00	640000/640000		.sin [14]			
	0.00		0.00	10/10		.pout [27]			
	<spontaneous>								
	64.6	0.00	40.62			__start [2]			
	19.44		21.18	1/1		.main [1]			
	0.00		0.00	1/1		.exit [37]			

Granularity: each sample hit covers 4 bytes Total time: 62.85 sec.

% cumulative time	self seconds	self calls	self ms/call	total ms/call	total name
30.9	19.44	1	19440.00	40620.00	.main [1]
30.5	38.61	19.17			._mcount [3]
14.1	47.50	8.89	8990000	0.00	.mod8 [4]
9.0	53.14	5.64	6160000	0.00	.mod9 [5]
2.5	54.72	1.58	930000	0.00	.exp [6]
2.4	56.25	1.53	1920000	0.00	.cos [7]
2.2	57.62	1.37	930000	0.00	.log [8]
2.0	58.88	1.26			.qincrement [9]
1.6	59.90	1.02	140000	0.01	.mod3 [10]
1.2	60.68	0.78			._stack_pointer [11]
1.0	61.31	0.63	640000	0.00	.atan [12]
0.9	61.89	0.58			.qincrement1 [13]
0.8	62.41	0.52	640000	0.00	.sin [14]
0.7	62.85	0.44			.sqrt [15]
0.0	62.85	0.00	180	0.00	.fwrite [16]
0.0	62.85	0.00	180	0.00	.memchr [17]

FIG. 7

Index by function name		
[18].__flsbuf	[37].exit	[5].mod9
[34].__ioctl	[6].exp	[43].moncontrol
[20].__mcount	[39].expand_catname	[44].monitor
[3].__mcount	[32].free	[22].myecvt
[23].__nl_langinfo_std	[33].free_y	[28].nl_langinfo
[11].__stack_pointer	[16].fwrite	[27].pout
[24].__doprnt	[40].getenv	[29].printf
[35].__findbuf	[41].ioctl	[9].qincement
[19].__flsbuf	[42].isatty	[13].qincement1
[36].__wrtchk	[8].log	[45].saved_category
[25].__xflsbuf	[1].main	[46].setlocale
[26].__xwrite	[17].memchr	[14].sin
[12].atan	[21].mf2x2	[31].splay
[38].catopen	[10].mod3	[15].sqrt

FIG. 8